PART I

6

```
$$         $$  $$         $$   $$$$$$$$$$$   $$$$$$$$$$$$$   $$$$$$$$$$$    $$$$$$$$$$$   $$$$$$$$$$$$
$$$        $$  $$$       $$$  $$$$$$$$$$$$$  $$$$$$$$$$$$$  $$$$$$$$$$$$$  $$$$$$$$$$$$$  $$$$$$$$$$$$$
$$$$       $$  $$$$     $$$$  $$         $$       $$        $$         $$  $$         $$  $$         $$
$$ $$      $$  $$ $$   $$ $$  $$                  $$        $$         $$  $$         $$  $$         $$
$$  $$     $$  $$  $$$$   $$  $$                  $$        $$         $$  $$         $$  $$         $$
$$   $$    $$  $$   $$    $$  $$                  $$        $$         $$  $$         $$  $$         $$
$$    $$   $$  $$         $$  $$                  $$        $$         $$  $$         $$  $$         $$
$$      $$ $$  $$         $$  $$                  $$        $$         $$  $$         $$  $$$$$$$$$$$$$
$$       $$$$  $$         $$  $$                  $$        $$$$$$$$$$$$$  $$$$$$$$$$$$$  $$$$$$$$$$$$
$$        $$$  $$         $$  $$                  $$        $$$$$$$$$$$$$  $$$$$$$$$$$$$  $$  $$
$$         $$  $$         $$  $$                  $$        $$         $$  $$         $$  $$   $$
$$         $$  $$         $$  $$                  $$        $$         $$  $$         $$  $$    $$
$$         $$  $$         $$  $$                  $$        $$         $$  $$         $$  $$     $$
$$         $$  $$         $$  $$         $$       $$        $$         $$  $$         $$  $$      $$
$$         $$  $$         $$  $$$$$$$$$$$$$       $$        $$         $$  $$         $$  $$       $$
$$         $$  $$         $$   $$$$$$$$$$$        $$        $$         $$  $$         $$  $$        $$
```

FASTABS —— TWO WAY FREQUENCY DISTRIBUTION

PAPER BY GENSER

```
KRONOS 2.0      73/04/29.
   OPERATING SYSTEM
 JOB ORIGIN = BATCH.



 73/06/09. 09.12.08.
```

```
UNIVERSITY OF COLORADO COMPUTING CENTER

SPSS - STATISTICAL PACKAGE FOR THE SOCIAL SCIENCES

VERSION 2.3 -- MARCH 15, 1972



                RUN NAME       MARION
                FILE NAME      TOBBENS
                VARIABLE LIST  CON,CONCL,HCON,CONREQ,MDREQ,PRER,PRENQ,PREM,YCON,YCONCL,YHCON,
                               YCONREQ,YMDREQ,YPRER,YPRENQ,YPREM,PCON,PCONCL,PHCON,PCONREQ,
                               PMDREQ,PPRER,PPRENQ,PPREM,FCON,MCON,BCON,PBCON,SCON,GRCON,MARCON,
                               UNOMAR,DUOMAR,FILUNO,FILDUO,NONPPM,GENSER,CGNOFF,AUSPP,COMSTAT
                INPUT MEDIUM   CARD
                NO. OF CASES   543
                INPUT FORMAT   FIXED (5X,8F1.0,2X,8F1.0,2X,8F1.0,2X,6F1.0,2X,6F1.0,2X,4F1.0)
                MISSING VALUES CON(1,2)/CONCL(1,2)/HCON(1,2)/CONREQ(1,2)/MDREQ(1,2)/PRER(1,2)/
                               PRENQ(1,2)/PREM(1,2)/YCON(1,2)/YCONCL(1,2)/YHCON(1,2)/
                               YCONREQ(1,2)/YMDREQ(1,2)/YPRER(1,2)/YPRENQ(1,2)/YPREM(1,2)/
                               PCON(1,2)/PCONCL(1,2)/PHCON(1,2)/PCONREQ(1,2)/PMDREQ(1,2)/
                               PPRER(1,2)/PPRENQ(1,2)/PPREM(1,2)/FCON(1)/MCON(1)/BCON(1)/
                               PBCON(1)/SCON(1)/GRCON(1)/MARCON(1)/UNOMAR(1,2)/DUOMAR(1,2)/
                               FILUNO(1,2)/FILDUO(1,2)/NONPPM(1)/GENSER(1)/CGNOFF(1)/
                               AUSPP(1)/COMSTAT(1)
                FASTABS        VARIABLES=YPRER(1,9)/GENSER(1,6)/TABLES=YPRER BY GENSER
                STATISTICS     ALL
                READ INPUT DATA
```

```
MARION                                                                                        73/06/09.     PAGE    2

FILE   TOBBENS   (CREATION DATE =  73/06/09.)

* * * * * * * * * * * * * * * * * *   C R O S S T A B U L A T I O N   O F   * * * * * * * * * * * * * * * * * *
    YPRER                                                            BY  GENSER
* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * *  PAGE  1 OF  1

                          GENSER
                                    2 generations   1 generation   FIRST TO SCRUB
                  COUNT  I
                ROW PCT  I                                     ROW
                COL PCT  I                                     TOTAL
                TOT PCT  I       4 I        5 I        6 I
YPRER           --------I---------I---------I---------I
                      3  I       1 I        0 I        3 I         4
  1 TO 4 yrs             I    25.0 I      0.0 I     75.0 I      36.4
                         I    33.3 I      0.0 I     60.0 I
                         I     9.1 I      0.0 I     27.3 I
                        -I---------I---------I---------I
                      4  I       0 I        1 I        0 I         1
  5 TO 8 yrs             I     0.0 I    100.0 I      0.0 I       9.1
                         I     0.0 I     33.3 I      0.0 I
                         I     0.0 I      9.1 I      0.0 I
                        -I---------I---------I---------I
                      5  I       1 I        1 I        1 I         3
  9 TO 12 yrs            I    33.3 I     33.3 I     33.3 I      27.3
                         I    33.3 I     33.3 I     20.0 I
                         I     9.1 I      9.1 I      9.1 I
                        -I---------I---------I---------I
                      6  I       1 I        1 I        0 I         2
  13 TO 16 yrs           I    50.0 I     50.0 I      0.0 I      18.2
                         I    33.3 I     33.3 I      0.0 I
                         I     9.1 I      9.1 I      0.0 I
                        -I---------I---------I---------I
                      8  I       0 I        0 I        1 I         1
  21 TO 24 yrs           I     0.0 I      0.0 I    100.0 I       9.1
                         I     0.0 I      0.0 I     20.0 I
                         I     0.0 I      0.0 I      9.1 I
                        -I---------I---------I---------I
                 COLUMN          3          3          5          11
                  TOTAL       27.3       27.3       45.5       100.0

RAW CHI SQUARE =      7.57778 WITH     8 DEGREES OF FREEDOM.  SIGNIFICANCE =    .4758
CRAMER#S V =    .58689
CONTINGENCY COEFFICIENT =    .63867
LAMDA (ASYMMETRIC) =    .14286 WITH YPRER    DEPENDENT.        =    .33333 WITH GENSER   DEPENDENT.
LAMDA (SYMMETRIC) =    .23077
UNCERTAINTY COEFFICIENT (ASYMMETRIC) =    .29763 WITH YPRER    DEPENDENT.         =    .40948 WITH GENSER   DEPENDENT.
UNCERTAINTY COEFFICIENT (SYMMETRIC) =    .34471
KENDALL#S TAU B =  -.19096.    SIGNIFICANCE =    .2068
KENDALL#S TAU C =  -.19835.    SIGNIFICANCE =    .1979
GAMMA =   -.25000
SOMER#S D (ASYMMETRIC) =  -.20513 WITH YPRER    DEPENDENT.          =  -.17778 WITH GENSER   DEPENDENT.
SOMER#S D (SYMMETRIC) =  -.19048
ETA =    .02557 WITH YPRER    DEPENDENT.          =    .27976 WITH GENSER   DEPENDENT.

NUMBER OF MISSING OBSERVATIONS =    532
```

```
JOB COST - F905T, NMCTAAR, 73/06/09, 09.12.03, $     1.83

CM        0.088 KWHR  ACM 32767
CP        9.678 SEC   $    1.01
MS        0.437 KPRU  $    0.29
IN        0.056 KPRU  $    0.44
PR        0.011 KPRU  $    0.09
CT        0.383 MIN   $    0.00
                      ---------
                      $    1.83

JUNE 7 -- UPCOMING SYSTEM CHANGES ARE DESCRIBED IN BULLET 129.


          NMCTAAR.   73/06/09. CU20 KRONOS 2.6.0 TSOS


09.11.40.NMCT,T20,C1000.
09.11.40.ACCOUNT,F905T.
09.11.40.ATTACH,SPSS/UN=1072P.
09.11.41.SPSS.
09.12.03.STOP
09.12.03.$COST.
```